



TECHNICAL DATA SHEET

LIGNOSIL®-HRP

1. PRODUCT DESCRIPTION

Lignosil-HRP is a two-component paste for filling cracks and deeper defects in non-dimensionally stable and limited dimensionally stable wooden components, mainly in exterior areas. Lignosil-HRP is free of artificial additives and consists of a powder component and a liquid binder component.

Lignosil-HRP-Powder:
mineral filler, natural fibres

Lignosil-HRP-Flüssig:
specially siccated linseed oil

2. FIELD OF APPLICATION

Lignosil-HRP can be used to fill cracks and deeper defects in boards, beams and panelling, for example in the renovation of half-timbered houses, thus creating a surface with a uniform structure with little effort. Not suitable for statically relevant wood additions.

3. PRODUCT PROPERTIES

- mechanically processable
- long open-time
- wood-like properties
- good flank adhesion
- two-component

MATERIAL CHARACTERISTICS:

- Density: approx. 1.7 - 1.9 g/cm³ (ready-to-use mixture)

COLOUR SHADES:

brown

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be load-bearing, dry (wood moisture content below 18%, according to BFS data sheet no. 18), clean and free from all loose particles, dust, oil and other substances that could prevent good adhesion. Damaged wood parts must be removed down to the sound wood. Defective areas including the crack flanks are to be thoroughly cleaned mechanically. Prime the crack flanks with Lignosil-HRP-Flüssig one day before filling the crack

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APPLICATION CONDITIONS:

Ambient and substrate temperature ≥ 8 °C during application and drying. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

APPLICATION:

Shake the liquid component before use. The maximum addition is 0.85 kg Lignosil-HRP-Flüssig to 4.15 kg Lignosil-HRP-Powder. Both

components must be mixed in the container to a workable consistency. Depending on

the width and depth of the crack, the ready-mixed Lignosil wood crack paste is pressed into the defect or crack, for example, with a spatula and as far as possible without air inclusions. The filling should be executed true to the edge. The surface can be structured

by pressing it in like a stamp with a suitable tool, a board surface or with a brush soaked in Lignosil-HRP. In the case of particularly deep and wide cracks, it is recommended to use a dry

piece of wood of the same species as reinforcement in the course of the grain direction. Ready-mixed material remains workable in the sealed container for one day.

Lignosil-HRP must always be coated with Lignosil system products according to factory instructions.

DRYING TIME:

Can be overcoated after 1 week at the earliest (at 23 °C and 50% RH). At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly.

CONSUMPTION:

approx. 1,8 kg/dm³

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

CLEANING OF TOOLS:

Clean immediately with turpentine substitute.

5. PACKAGING

Container content	Unit of measure	Type of container
4.15	kg	bucket
0.85	kg	tin can

6. STORAGE

7. DISPOSAL

For disposal information refer to section 13 of the safety data sheet.

EC WASTE CODE:

Waste code: 01 04 09, 08 04 09*

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

GISCODE:

GIS code: BSL 50

9. GENERAL INFORMATION

Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

Mixing with products not part of the system or other foreign additives is not permitted.

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.